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File 347:JAPIO Nov 1976-2005/Apr(Updated 050801)
        (c) 2005 JPO & JAPIO
File 350:Derwent WPIX 1963-2005/UD,UM &UP=200549
        (c) 2005  Thomson Derwent

Set     Items   Description
S1     271028   CHECKPOINT? ? OR KEYPOINT? ? OR TRIGGERPOINT? ? OR (CHECK -
             OR KEY OR TRIGGER)()POINT? ? OR MARK? ? OR MARKER? ? OR (STAR-
             T??? OR END???)()POINT? ? OR TAG OR TAGS
S2      41533   S1(10N)(SEGMENT? ? OR SECTION? ? OR PORTION? ? OR PART OR -
             PARTS OR FRAGMENT? ? OR BLOCK? ? OR PARAGRAPH? ? OR CHUNK? ? -
             OR PAGE OR PAGES)
S3     151459   (ENCRYPT? OR ENCIPHER??? OR CIPHER??? OR PROTECT???? OR SC-
             RAMBL??? OR SECURE? ? OR SECURING)(7N)(SEGMENT? ? OR SECTION?
             ? OR PORTION? ? OR PART OR PARTS OR FRAGMENT? ? OR BLOCK? ? OR
              PARAGRAPH? ? OR CHUNK? ? OR PAGE OR PAGES)
S4      11654   S1(7N)(INSERT??? OR ADD??? OR PLACE? ? OR PLACING)
S5        718   S2 AND S3
S6         54   S5 AND S4
S7    2415889   DOCUMENT? ? OR ARTICLE? ? OR MANUSCRIPT? ? OR WRITTEN()WOR-
             K? ? OR DIGITAL()(ASSET? ? OR GOOD? ?) OR VIDEO? ? OR MOVIE? ?
              OR FILM? ? OR MUSIC OR SONG? ? OR AUDIO OR MP3? ?
S8    4275173   SOFTWARE OR PROGRAM? ? OR APPLICATION? ? OR CONTENT? ? OR -
             FILE? ? OR DATA OR INFORMATION OR INTELLECTUAL()PROPERTY
S9     153997   S7:S8(7N)(ENCRYPT? OR ENCIPHER??? OR CIPHER??? OR PROTECT?-
             ??? OR SCRAMBL??? OR SECURE? ? OR SECURING)
S10       152   S5 AND S9
S11        11   S6 AND S9
S12        43   S6 NOT S11
S13        12   S12 AND AC=US/PR
S14        11   S13 AND AY=(1963:2000)/PR
S15        32   S12 AND PY=1963:2000
S16        33   S14:S15
S17        12   AU='SALAHSHOOR M R':AU='SALAHSHOOR MOHAMAD R'
S18       141   S10 NOT S6
S19        34   S18 AND AC=US/PR
S20        20   S19 AND AY=(1963:2000)/PR
S21        86   S18 AND PY=1963:2000
S22        96   S20:S21
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16/5/10 (Item 10 from file: 347)
DIALOG(R)File 347:JAPIO

02249730 **Image available**
BINARY BALANCED TRANSMITTING SYSTEM HAVING ERROR CORRECTING FUNCTION

PUB. NO.: 62-166630 [JP 62166630 A]
PUBLISHED: July 23, 1987 (**19870723**)
INVENTOR(s): KIKKAI NORIAKI
NISHI SHIGETO
SHIMAZU YOSHIHIRO
APPLICANT(s): NIPPON TELEGR & TELEPH CORP <NTT> [000422] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 61-007899 [JP 867899]
FILED: January 20, 1986 (19860120)
INTL CLASS: [4] H04L-001/00; H03M-013/00; H04L-025/49
JAPIO CLASS: 44.3 (COMMUNICATION -- Telegraphy); 42.4 (ELECTRONICS -- Basic Circuits)
JOURNAL: Section: E, Section No. 571, Vol. 12, No. 7, Pg. 102, January 09, 1988 (19880109)

ABSTRACT

PURPOSE: To maintain the error correcting capacity of a Hamming code and, at the same time, to make error correction possible, by constituting an error correcting code which is controlled so as to produce the **mark** rate balancing property in the block of an error inspecting bit and **mark** balance **adding** bit.

CONSTITUTION: After an information sequence is distributed to four sequences by means of a serial-parallel conversion section 1, error inspecting bits c(sub 1)-c(sub 4) are implemented to each sequence by operation. Eight-sequence signals are combined at a parallel/serial conversion section 2 and converted into optical signals by an electrooptic converter 3, and then, the optical signals are sent to an optical fiber cable. Received optical signals are converted into electric signals by a photoelectric converter 4. The electric signals are first distributed to 8-sequence signals by a serial/ parallel conversion **section** 5 and **block** synchronism is **secured** to the sequences. Collation of an inspection pattern with a received inspection pattern is performed by an inspection pattern collating section 7 and a syndrome is found by means of a syndrome generating section 8. Wrong bits in the information sequence are corrected at an error correcting section 9 and the original information sequence is restored by a parallel/serial conversion section 10.

16/5/11 (Item 11 from file: 347)
DIALOG(R)File 347:JAPIO

01415842 **Image available**
SCRAMBLING SYSTEM FOR VOICE SIGNAL

PUB. NO.: 59-127442 [JP 59127442 A]
PUBLISHED: July 23, 1984 (**19840723**)
INVENTOR(s): SAKAMOTO AKIRA
FUKAMI TAKESHI
SUGITA TAKEHIRO
TOYOSHIMA MASAKATSU
WAKU TOSHIHIKO
KOMATSUBARA MICHIMASA
APPLICANT(s): SONY CORP [000218] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 58-002481 [JP 832481]
FILED: January 11, 1983 (19830111)

INTL CLASS: [3] H04K-001/06
JAPIO CLASS: 44.2 (COMMUNICATION -- Transmission Systems)
JOURNAL: Section: E, Section No. 279, Vol. 08, No. 250, Pg. 134, November 16, 1984 (19841116)

ABSTRACT

PURPOSE: To smooth connections in rearrangement and to improve the precision of a voice signal by using a **marker** signal **inserted** into a redundant time **part** for the measurement of segment time length when the time-axis compression of a time-axis stretching system is performed.

CONSTITUTION: A scrambled voice signal is sent out to a decoder side while the **marker** signal SM is **inserted** into its redundant time **part** . The decoder side detects the **marker** signal SM in the **scrambled** signal and measures **segment** time lengths T'(sub 1)-T'(sub 4) by the **marker** signal SM. When the signal is sent out after being rearranged, its time is used as segment time to smooth connections between waveforms. Therefore, the deterioration in the quality of voice signal due to discontinuity of connecting points is prevented.

16/5/12 (Item 12 from file: 347)

00933575 **Image available**
MARK READING SYSTEM

PUB. NO.: 57-083875 [JP 57083875 A]
PUBLISHED: May 25, 1982 (**19820525)**
INVENTOR(s): INOUE MASASHI
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 55-159476 [JP 80159476]
FILED: November 14, 1980 (19801114)
INTL CLASS: [3] G06K-007/10
JAPIO CLASS: 45.3 (INFORMATION PROCESSING -- Input Output Units); 36.4 (LABOR SAVING DEVICES -- Service Automation)
JAPIO KEYWORD:R087 (PRECISION MACHINES -- Automatic Banking); R107 (INFORMATION PROCESSING -- OCR & OMR Optical Readers)
JOURNAL: Section: P, Section No. 138, Vol. 06, No. 166, Pg. 134, August 31, 1982 (19820831)

ABSTRACT

PURPOSE: To facilitate an easy identification of the reading **mark** and to **secure** the accurate reading of a **page** **mark** , etc., by providing plural photoelectric transducers to detect the same **mark** at a time and **adding** or multiplying the outputs of these transducers to perform the slicing with a prescribed level.

CONSTITUTION: A banknote 17 is transported by rollers 4 and 5 on a conveying path 2 to the positions of **page** **mark** reading photoelectric transducers 10A and 10B to read the same **page** **mark** of the note 17 at a time. The **page** **mark** thus read at a time is amplified and receives a waveform shaping by amplifiers 11A and 11B to be supplied to an arithmetic circuit 12. Then the outputs of the amplifiers 11A and 11B are added or multiplied each other and supplied to a register 13 to be sliced at a prescribed level. This output is then supplied to a comparator 16 with exclusion of the noise part caused by the soil on the note 17. Thus the **page** **mark** is identified assuredly, and the necessary printing is carried out at a prescribed area of the note 17 and through a printing part 3.

16/5/14 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

014013883
WPI Acc No: 2001-498097/200155
XRPX Acc No: N01-369147

Computer system for creating an audience specific view of documents by marking individual sections of documents with access properties available to specific recipients

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC); IBM CORP (IBMC)
Inventor: LECTION D B; MOLANDAR M E; SALAHSHOOR M R; SCANLON J L; MOLANDER M E
Number of Countries: 030 Number of Patents: 006
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 1077421	A2	20010221	EP 2000306633	A	20000803	200155	B
CA 2312458	A1	20010218	CA 2312458	A	20000620	200155	
CN 1286436	A	20010307	CN 2000122642	A	20000810	200155	
JP 2001101173	A	20010413	JP 2000228179	A	20000728	200155	
KR 2001039796	A	20010515	KR 200045850	A	20000808	200167	
TW 464817	A	20011121	TW 2000105944	A	20000330	200248	

Priority Applications (No Type Date): US 99376896 A 19990818
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1077421	A2	E	20	G06F-017/60	
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
CA 2312458	A1	E		G06F-017/22	
CN 1286436	A			G06F-015/16	
JP 2001101173	A		19	G06F-017/21	
KR 2001039796	A			G06F-017/21	
TW 464817	A			G06F-019/00	

Abstract (Basic): EP 1077421 A2

NOVELTY - Documents such as e-mails, text documents, multi-media messages containing images and/or audio are stored with markings provided by their authors for one or more sections of the document. The markings assign properties to the document sections including which recipients are to be given that section of the document. Other properties specified may include background color or font, whether the **section** is copy **protected** , whether the **section** may be forwarded or printed, whether the **section** is to be **encrypted** before forwarding or storing, whether the **section** can be rendered in audio and/or video etc.. Documents may be encoded in an Extensible Markup Language (XML) when the marking is done by **adding** XML **tags** to the document **sections** .

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for

(a) a computer program for creating audience specific views of documents

(b) and a method for creating audience specific views of documents.

USE - In computer systems.

ADVANTAGE - The process is easy to use and intuitive.

pp; 20 DwgNo 0/9

Title Terms: COMPUTER; SYSTEM; AUDIENCE; SPECIFIC; VIEW; DOCUMENT; MARK; INDIVIDUAL; SECTION; DOCUMENT; ACCESS; PROPERTIES; AVAILABLE; SPECIFIC; RECIPIENT
Derwent Class: T01
International Patent Class (Main): G06F-015/16; G06F-017/21; G06F-017/22; G06F-017/60; G06F-019/00
International Patent Class (Additional): G06F-012/00; G06F-012/14; G06F-013/00; G06F-017/00; H04L-012/54
File Segment: EPI
?

22/5/8 (Item 8 from file: 347)
DIALOG(R)File 347:JAPIO

06399638 **Image available**
ENCIPHERING AND DECODING METHOD FOR PICTURE **FILE** AND **ENCIPHERING** AND DECODING DEVICE THEREFOR

PUB. NO.: 11-341291 [JP 11341291 A]
PUBLISHED: December 10, 1999 (**19991210**)
INVENTOR(s): HARIMA TORU
YAMAMOTO AKIRA
APPLICANT(s): NEC ENG LTD
APPL. NO.: 10-145532 [JP 98145532]
FILED: May 27, 1998 (19980527)
INTL CLASS: H04N-001/44; H04N-001/41; H04N-007/24; H04N-007/167

ABSTRACT

PROBLEM TO BE SOLVED: To provide an enciphering, decoding method and an **enciphering** and decoding device for a picture **file** which can attain **enciphering** with regard to a versatile **file** format.

SOLUTION: With regard to a standard JPEG file 2 which can be obtained by compression processing an original picture 1 at a compression processing **part** 7, an **enciphered** JPEG **file** 5 is obtained by a **marker** operation processing **part** 5 performing a specified operation processing with a specific **marker** in accordance with a marker operation rule. The **enciphered** JPEG **file** 5 is returned to the standard JPEG file 2 by a **marker** reverse operation processing **part** 6 recovering the specific **marker** operation processing in accordance with the marker operation rule. After that, a recovery picture 3 can be obtained by being extension processed by an extension processing part 8.

22/5/26 (Item 26 from file: 347)
DIALOG(R)File 347:JAPIO

04159392 **Image available**
DATA PROTECTION DEVICE

PUB. NO.: 05-151092 [JP 5151092 A]
PUBLISHED: June 18, 1993 (**19930618**)
INVENTOR(s): SHIMIZU NAOTERU
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 03-342191 [JP 91342191]
FILED: November 30, 1991 (19911130)
INTL CLASS: [5] G06F-012/14; G06F-009/06
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units); 42.5 (ELECTRONICS -- Equipment); 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units)
JOURNAL: Section: P, Section No. 1623, Vol. 17, No. 546, Pg. 50, September 30, 1993 (19930930)

ABSTRACT

PURPOSE: To effectively maintain the secrecy of data contents even again access from another computer program by converting **data** on a magnetic disk from **ciphered data** to normal sentence **data** before the processing of a computer program starts and converting the normal sentence **data** into the **ciphered data** before the processing ends.

CONSTITUTION: This **data protection** device is provided with a normal sentence conversion processing part 2 which functions prior to the start of the processing of the computer program to convert the **data** on the magnetic disk from the **ciphered data** to the normal sentence **data** and a **ciphering** processing **part** 3 which converts the **data** on the magnetic disk from the normal sentence **data** into the **ciphered data** before the processing of the computer **program** ends. Namely, the computer program is actuated at the **start** point 1 and the normal sentence conversion processing **part** 2 deciphers the **ciphered data** on the magnetic disk into the normal sentence data. Then, normal computer program processing is performed. At the **end point** , the **ciphering** processing **part** 3 converts the **data** on the magnetic disk into the **ciphered data** and the processing ends.

22/5/28 (Item 28 from file: 347)

03836482 **Image available**
BIT MAP DEVELOPMENT PROCESSING METHOD

PUB. NO.: 04-201582 [JP 4201582 A]
PUBLISHED: July 22, 1992 (**19920722**)
INVENTOR(s): HITOMI YOSHIHIRO
APPLICANT(s): RICOH CO LTD [000674] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 02-338474 [JP 90338474]
FILED: November 30, 1990 (19901130)
INTL CLASS: [5] B41J-002/485; B41J-005/30; G06F-015/72; G09G-005/24
JAPIO CLASS: 29.4 (PRECISION INSTRUMENTS -- Business Machines); 44.9 (COMMUNICATION -- Other); 45.4 (INFORMATION PROCESSING -- Computer Applications)
JAPIO KEYWORD:R002 (LASERS)
JOURNAL: Section: M, Section No. 1335, Vol. 16, No. 538, Pg. 77, November 09, 1992 (19921109)

ABSTRACT

PURPOSE: To give superscription effect by a method wherein when pattern data are duplicated, a non-duplicated **part** of the previously **secured** pattern **data** is divided, and said divided each pattern data and a newly taken in pattern data are developed by writing in a superimposed manner on a bit map.

CONSTITUTION: When two pattern **data** PD1, 2 are duplicated, the previously **secured** PD2 is divided into two **parts** of PD3, 4 by a straight line x=sx passing an X coordinate sx of a start point of the newly taken in PD1. Further, the PD3, 4 are divided into two parts by a straight line y=sy passing a Y coordinate sy of the **start point** of the PD1 to divide the PD2 into 4 **parts** (5 to 8). Then, **start points** and **end points** of three new PD5, 6, 7 which are not duplicated with the PD1 are calculated. The previously secured PD2 is eliminate, and the start points and end points of the PD5, 6, 7 and classes of the pattern are secured in a memory. Thereafter, when developed on a bit map, respective PDs are developed by writing in a superimposed manner.

22/5/35 (Item 35 from file: 347)

03280464 **Image available**
AUTOMATIC IDENTIFYING DEVICE FOR DOCUMENT CHANGED PART

PUB. NO.: 02-255964 [JP 2255964 A]

PUBLISHED: October 16, 1990 (**19901016**)
INVENTOR(s): KOBAYASHI TSUNEAKI
APPLICANT(s): SUMITOMO METAL IND LTD [000211] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 01-013525 [JP 8913525]
FILED: January 23, 1989 (19890123)
INTL CLASS: [5] G06F-015/20
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 29.4 (PRECISION INSTRUMENTS -- Business Machines)
JAPIO KEYWORD: R107 (INFORMATION PROCESSING -- OCR & OMR Optical Readers)
JOURNAL: Section: P, Section No. 1150, Vol. 15, No. 11, Pg. 66, January 10, 1991 (19910110)

ABSTRACT

PURPOSE: To automatically identify a changed part of a document and to display only a changed part of a similar document by comparing plural stored similar document **information** with each other in a comparison mode **secured** previously and outputting the different **parts** of **documents** .

CONSTITUTION: An unchanged old document and a changed new document are previously and optically read by an optical reader and stored in a storage as the information on characters and symbols. Then a CRT keyboard designates as necessary the comparison modes for each punctuation **mark** , each line, each word, and each character. The changed **parts** of old and new documents are decided within a designated page based on a designated comparison mode. These changed parts are underlined, covered with the oblique lines, or printed especially on another form the display. When the unchanged old document and the changed new documents are not optically read in a correct way due to the soil of the documents, etc., at the time these are read previously by the optical reader, the error areas are displayed on a CRT. Then an operator corrects visually these errors of documents via the CRT keyboard.

22/5/41 (Item 41 from file: 347)
DIALOG(R)File 347:JAPIO

02245271 **Image available**
ENCODING METHOD FOR MAP SHEET DATA

PUB. NO.: 62-162171 [JP 62162171 A]
PUBLISHED: July 18, 1987 (**19870718**)
INVENTOR(s): TSUTSUI KAZUO
YODA MIKIO
MORIZAKI NOBUYUKI
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 61-003443 [JP 863443]
FILED: January 13, 1986 (19860113)
INTL CLASS: [4] G06F-015/40; G06F-015/62; G09B-029/00; H04L-009/00
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 30.2 (MISCELLANEOUS GOODS -- Sports & Recreation); 44.3 (COMMUNICATION -- Telegraphy)
JOURNAL: Section: P, Section No. 651, Vol. 11, No. 399, Pg. 82, December 26, 1987 (19871226)

ABSTRACT

PURPOSE: To insure map sheet **data** against being decoded without a **cipher** keyword by encoding a road graphic being the critical graphic identification conditions among the map sheet data.

CONSTITUTION: When the map sheet data is divided into plural **blocks** , the start and **end** **points** of the line **segment** data over plural **blocks** and points forming a parallel line showing a road on the map are extracted,

and the coordinates of the start and **end** points are converted into those in other **blocks** according to the **cipher** keyword, and taken for **cipher data** . Namely, when one map sheet is divided into **blocks** , data on lines astride plural **blocks** is extracted, and the **end point** coordinates of the line data are coordinate- converted through the use of the **cipher block** keyword. They are coordinate- converted by a **cipher block** keyword K to completely hide the road constitution, thereby achieving the sheet encoding.

22/5/43 (Item 43 from file: 347)
DIALOG(R)File 347:JAPIO

01980427 **Image available**
SECTION DISPLAY CONTROL SYSTEM

PUB. NO.: 61-194527 [JP 61194527 A]
PUBLISHED: August 28, 1986 (**19860828**)
INVENTOR(s): HOSOYAMA OSAMU
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 60-034103 [JP 8534103]
FILED: February 22, 1985 (19850222)
INTL CLASS: [4] G06F-003/14; G06F-015/21
JAPIO CLASS: 45.3 (INFORMATION PROCESSING -- Input Output Units); 45.4 (INFORMATION PROCESSING -- Computer Applications)
JOURNAL: Section: P, Section No. 538, Vol. 11, No. 22, Pg. 17, January 21, 1987 (19870121)

ABSTRACT

PURPOSE: To facilitate reading of characters and also to increase the number of display-enable digits by **securing section data** equal to one digit in case the display data is equal to characters and then displaying the section data within a preceding digit or in a space between the preceding and next digits.

CONSTITUTION: The display data is delivered and loaded once on a buffer through CPU processing. Then the data is extracted every digit from the lower side and it is checked whether the extracted data is equal to the section data or not. If the section data is decided, this data is saved. Then it is checked whether the next display data is equal to characters or the numerical value. The character data, e.t., 'ASU WA YASUMI' is decided and therefore a **section mark** equivalent to a digit is put between 'WA' and 'YA'. While in the case of the numerical data, e.g., '2,500', a **section mark** is put at the lower right **part** of '2' of in a space between '2' and '5'. Thus it is possible to facilitate reading of characters and to increase the number of display enable digits.

22/5/53 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

016054485 **Image available**
WPI Acc No: 2004-212336/200420
Related WPI Acc No: 2003-228412
XRPX Acc No: N04-168125
XML encryption **scheme for preventing unauthorized disclosure of** data **during transmission or storage, involves** encrypting **object selected as XML component, and storing encrypted object for subsequent use by intended recipient**
Patent Assignee: TECSEC INC (TECS-N)
Inventor: KOLOUCH J L
Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6694433	B1	20040217	US 9745935	P	19970508	200420	B
			US 9874649	A	19980508		
			US 99421293	A	19991020		

Priority Applications (No Type Date): US 9745935 P 19970508; US 9874649 A 19980508; US 99421293 A 19991020

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6694433	B1		14	H04L-009/00	Provisional application US 9745935 CIP of application US 9874649

Abstract (Basic): US 6694433 B1

NOVELTY - The method begins by providing objects relating to a process and consistent to a data format. An object with an associated object **tag** is selected from the provided objects as XML component. A **portion** of the selected object is encrypted according to a cryptographic scheme determined in **part** by the object **tag** . The **encrypted portion** of the object is then stored for subsequent use by an intended recipient.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for the program storage medium storing the instructions for the XML encryption scheme.

USE - For preventing unauthorized disclosure of data during transmission or storage.

ADVANTAGE - Uses encryption and encrypted objects to record and authenticate inputs, processes, scheduled conditions and virtual environments of electronic accounting and operational systems. Provides a means to distribute encrypted objects to designated locations for access by designated individuals or entities.

DESCRIPTION OF DRAWING(S) - The figure is a flow diagram showing the use of XML to identify, copy and encrypt copied objects in a secure accounting and operational control and reporting system (SAOCRS) that in their entirety present a scheduled condition check.

pp; 14 DwgNo 8/8

Title Terms: ENCRYPTION; SCHEME; PREVENT; UNAUTHORISED; DISCLOSE; DATA; TRANSMISSION; STORAGE; OBJECT; SELECT; COMPONENT; STORAGE; ENCRYPTION; OBJECT; SUBSEQUENT; INTENDED; RECIPIENT

Derwent Class: T01; W01

International Patent Class (Main): H04L-009/00

File Segment: EPI

22/5/56 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

014716242 **Image available**

WPI Acc No: 2002-536946/200257

Related WPI Acc No: 2002-470907

XRPX Acc No: N02-425253

Authentication message encryption **method in** data **transmission** application , **involves computing ciphertext** blocks **and** fragment **using** block cipher , **key, nonce, offsets and message** blocks **or message fragment**

Patent Assignee: ROGAWAY P W (ROGA-I)

Inventor: ROGAWAY P W

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020071552	A1	20020613	US 2000240471	A	20001012	200257	B
			US 2001267640	A	20010209		
			US 2001918615	A	20010730		

Priority Applications (No Type Date): US 2001918615 A 20010730; US 2000240471 P 20001012; US 2001267640 P 20010209
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020071552	A1		29	H04K-001/04	Provisional application US 2000240471
					Provisional application US 2001267640

Abstract (Basic): US 20020071552 A1

NOVELTY - A message is partitioned into message blocks and a message fragment. A sequence of offsets is generated from a nonce and a key. A ciphertext **block** is computed using the **block cipher** , key, nonce, offsets and message **block** . A ciphertext **fragment** is computed using the **block cipher** , message **fragment** , the key and an offset. A **tag** is computed as a function of message **blocks** , message **fragment** , offsets and the key, and the ciphertext is defined to include the ciphertext **block** and **fragment** and the **tag** .

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

(1) Computer readable storage medium storing authenticated **encryption program** ; and

(2) Authenticated encryption apparatus.

USE - For facilitating authentication message **encryption** used in **data** transmission **application** . Also applicable in personal computer, cell phone, wireless LAN communication and personal digital assistant (PDA).

ADVANTAGE - Messages of arbitrary bit length is encrypted. Length of the ciphertext is reduced. Permits more efficient processing of associated data. Since the offsets are computed extremely fast without the use of modular addition, the processing time is reduced.

DESCRIPTION OF DRAWING(S) - The figure shows an illustration of the encryption process.

pp; 29 DwgNo 1/10

Title Terms: AUTHENTICITY; MESSAGE; ENCRYPTION; METHOD; DATA; TRANSMISSION; APPLY; COMPUTATION; BLOCK; FRAGMENT; BLOCK; CIPHER; KEY; OFFSET; MESSAGE; BLOCK; MESSAGE; FRAGMENT
Derwent Class: T01; U21; W02
International Patent Class (Main): H04K-001/04
File Segment: EPI

22/5/57 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014395855 **Image available**
WPI Acc No: 2002-216558/200227
XRPX Acc No: N02-166030
Message authentication method involves creating enciphered blocks **for obtaining authentication** tag **by applying standard** block cipher **to input** blocks
Patent Assignee: VDG INC (VDGV-N); DONESCU P (DONE-I); GLIGOR V D (GLIG-I)
Inventor: DONESCU P; GLIGOR V D
Number of Countries: 095 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200176130	A2	20011011	WO 2001US9804	A	20010328	200227	B
AU 200149511	A	20011015	AU 200149511	A	20010328	200227	
US 20010046292	A1	20011129	US 2000193447	P	20000331	200227	
			US 2001818608	A	20010328		
EP 1302022	A2	20030416	EP 2001922746	A	20010328	200328	
			WO 2001US9804	A	20010328		

Priority Applications (No Type Date): US 2000193447 P 20000331; US 2001818608 A 20010328

Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
WO 200176130 A2 E 102 H04L-009/00
Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW .
AU 200149511 A H04L-009/00 Based on patent WO 200176130
US 20010046292 A1 H04L-009/30 Provisional application US 2000193447

EP 1302022 A2 E H04L-009/32 Based on patent WO 200176130
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

Abstract (Basic): WO 200176130 A2
NOVELTY - Input data are partitioned into several data blocks and a randomization function is applied to each data block for creating an input block of same size as the **data block** . A standard block **cipher** is applied to each input **block** to create several **enciphered blocks** which are combined to create an authentication **tag** .
DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:
(a) Message authentication verification method;
(b) Message authentication system;
(c) Message authentication verification system;
(d) Program product for providing data signing function for determining authentication tag;
(e) Program product for providing data signing function for updating authentication tag
USE - For real-time **applications** for **protecting data** integrity.
ADVANTAGE - As authentication tag is provided, **data** integrity is **protected** efficiently during communication over insecure channels and during data storage in insecure media.
DESCRIPTION OF DRAWING(S) - The figure shows the schematic diagram explaining data authentication method.
pp; 102 DwgNo 1/16
Title Terms: MESSAGE; AUTHENTICITY; METHOD; ENCIPHER; BLOCK; OBTAIN; AUTHENTICITY; TAG; APPLY; STANDARD; BLOCK; CIPHER; INPUT; BLOCK
Derwent Class: W01
International Patent Class (Main): H04L-009/00; H04L-009/30; H04L-009/32
File Segment: EPI

22/5/58 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014240744 **Image available**
WPI Acc No: 2002-061444/200208
Related WPI Acc No: 2000-116848; 2000-341558; 2002-626439; 2003-247384; 2003-255934; 2003-417370
XRPX Acc No: N02-045567
Copy protection **method for formatted and rendered** data **e.g. text and graphics within** mark **-up language** document **involves** encryption **of selected** page content **and decryption of** content **when rendered by graphics device**
Patent Assignee: GOODMAN D I (GOOD-I); SCHREIBER D (SCHR-I)
Inventor: GOODMAN D I; SCHREIBER D
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
US 20010029582 A1 20011011 US 99313067 A 19990517 200208 B

US 99397331 A 19990914
US 2001774236 A 20010129

Priority Applications (No Type Date): US 2001774236 A 20010129; US 99313067 A 19990517; US 99397331 A 19990914
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20010029582	A1		20	H04L-009/32	CIP of application US 99313067 CIP of application US 99397331 CIP of patent US 6209103

Abstract (Basic): US 20010029582 A1

NOVELTY - The copy **protection** method parses (410) a **page** and identifies designated content that is transferred to an encoder (420) for **encryption** . The **encrypted data** is transferred to an editor (430) that replaces the original **data** with the **encrypted data** . The complete **document** is then transmitted to a client computer (220) and received in a renderer (250) that detects the encoded data and passes it to a decryption unit (440) prior to being displayed.

DETAILED DESCRIPTION - When used to **protect** text, an **application** viewing a source listing of the document page or capturing the **document page** is only able to capture **encrypted** text that appears as jumbled, incoherent **data** . The data is rendered into a graphics device by system text rendering applications such as Microsoft TextOut or Macintosh DrawText.

INDEPENDENT CLAIMS are also included for the following:

(1) A **page content protection** system.
(2) A method of accessing **encrypted data** within a **page** .
(3) A computer hardware for handling **encrypted data** .
(4) A method of identifying designated data and replacing that data into an original **page** on completion of **data encryption** .
(5) A parser for identifying designated data.
(6) A method for formatting **protected page data** .
(7) A system using a page formatter.
(8) An encryption method.
(9) An encoder
(10) A method of accessing **encrypted data** .
(11) A decoder.
(12) A method of text string replacement when formatting data.
(13) A string data processor.

USE - For **protection** of the **content** of **data** that is rendered and formatted using patchable system calls within a **page** to be displayed. The system can **protect** not only HTML **data** but also e-mail and business type data.

ADVANTAGE - The protection system provides a simple and practical method to prevent displayed text being copied without authorization.

DESCRIPTION OF DRAWING(S) - The **block** diagram represents a **protection** system for **page contents** .

Client computer (220)
Render (250)
Parser (410)
Encoder (420)
Editor (430)
Decoder (440)
pp; 20 DwgNo 4/7

Title Terms: COPY; PROTECT; METHOD; RENDER; DATA; TEXT; GRAPHIC; MARK; UP; LANGUAGE; DOCUMENT; ENCRYPTION; SELECT; PAGE; CONTENT; DECRYPTER; CONTENT ; RENDER; GRAPHIC; DEVICE
Derwent Class: T01
International Patent Class (Main): H04L-009/32
International Patent Class (Additional): G06F-011/30; G06F-012/14
File Segment: EPI

22/5/62 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

013924506 **Image available**
WPI Acc No: 2001-408719/200143
XRPX Acc No: N01-302451
Transmitting stream of textual data to recipient via third party intermediary by encrypting **at least one selected** segment **of stream of** data **and identifying it by identification** tag **containing** encryption **attributes of** segment
Patent Assignee: EVELOCITY CORP (EVEL-N)
Inventor: PERRY B; SCHWARTZ R
Number of Countries: 022 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200146773	A2	20010628	WO 2000US34423	A	20001219	200143	B
AU 200124384	A	20010703	AU 200124384	A	20001219	200164	

Priority Applications (No Type Date): US 2000693540 A 20001020; US 99172857 P 19991220
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200146773	A2	E	26	G06F-000/00	

Designated States (National): AU CA JP
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

AU 200124384	A		G06F-000/00	Based on patent WO 200146773

Abstract (Basic): WO 200146773 A2

NOVELTY - The method involves **encrypting** at least one selected **segment** of the stream of data that may be identified by an identification **tag** , which provides **encryption** attributes of the **encrypted segment** .

DETAILED DESCRIPTION - A law firm transmits invoice data to a clearinghouse (14). The initiating party (12) can employ, for example, an encoder (12a) to **encrypt** selected **segments** of the invoice **data** according to the teachings of the invention to **secure** sensitive and/or privileged **information** from the clearinghouse. The clearinghouse may process the non- **encrypted portions** of the invoice **data** , and subsequently transmit the data to the client or a client bank (16b). The client (16) or the client bank (16b) can employ a decoder (16a) to decrypt the **encrypted portions** of the **data** .

An INDEPENDENT CLAIM is included for:

(a) a system for transmitting a stream of textual data to recipient

USE - In a digital data processing for transmitting data to a recipient.

ADVANTAGE - Ensures the security of privileged information when data is transmitted to a recipient via a third party intermediary. Facilitates transmission of data, e.g., through public networks and/or third party intermediates. **Encrypts** a stream of **data** such that an intermediary can perform the requisite processing of the **data** while ensuring that the privileged **information** remains **secure** . Improves the security of **data** maintained within a site, e.g., even if not transmitted across a network or through an intermediary.

DESCRIPTION OF DRAWING(S) - The drawing illustrates a system implementing a data transmission method according to the present invention.

initiating party (12)
encoder (12a)
clearinghouse (14)
client (16)
decoder (16a)
client bank (16b)
pp; 26 DwgNo 1/2

Title Terms: TRANSMIT; STREAM; TEXT; DATA; RECIPIENT; THIRD; PARTY;

INTERMEDIARY; ONE; SELECT; SEGMENT; STREAM; DATA; IDENTIFY; IDENTIFY; TAG ; CONTAIN; ENCRYPTION; ATTRIBUTE; SEGMENT
Derwent Class: T01; W01
International Patent Class (Main): G06F-000/00
File Segment: EPI

22/5/63 (Item 11 from file: 350)
DIALOG(R)File 350:Derwent WPIX

013815440 **Image available**
WPI Acc No: 2001-299652/ **200131**
XRPX Acc No: N01-214961

Access control provision for pre- encrypted **on-demand** content **in communication network, by detecting if user terminal can access pre-** encrypted content **based on entitlement authorization and opaque** data **block**

Patent Assignee: GEN INSTR CORP (GENN)
Inventor: SAFADI R; VINCE L D
Number of Countries: 094 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200067483	A1	20001109	WO 2000US9800	A	20000412	200131	B
AU 200042359	A	20001117	AU 200042359	A	20000412	200131	
EP 1175781	A1	20020130	EP 2000922124	A	20000412	200216	
			WO 2000US9800	A	20000412		
TW 511377	A	20021121	TW 2000107372	A	20000419	200353	
MX 2001010808	A1	20020601	WO 2000US9800	A	20000412	200365	
			MX 200110808	A	20011024		

Priority Applications (No Type Date): US 99132366 P 19990504
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200067483	A1	E	35	H04N-007/16	
Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW					
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW					
AU 200042359	A			H04N-007/16	Based on patent WO 200067483
EP 1175781	A1	E		H04N-007/16	Based on patent WO 200067483
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE					
TW 511377	A			H04N-007/16	
MX 2001010808	A1			H04N-007/16	Based on patent WO 200067483

Abstract (Basic): WO 200067483 A1

NOVELTY - An entitlement authorization associated with pre-**encrypted content** , is communicated to user terminal (20) via secondary communication path (19). The user terminal is determined whether it is authorized to access pre- **encrypted content** based on entitlement authorization and opaque **data block** (ODB) **tag** depending on content (15) demanded by user.

DETAILED DESCRIPTION - The pre- **encrypted content** is forwarded to a server (12). The ODB tag is provided to user terminal. Unique reference handle (URH) tag which acts as reference to the pre-**encrypted content** is provided to the server. The ODB and URH tags which are unique to pre- **encrypted content** , are tracked by pre-**encryption** controller. The main server communicates the pre- **encrypted content** and ODB to user terminal via local distribution server. The controller communicates entitlement authorization to the user terminal. An INDEPENDENT CLAIM is also included for access control providing apparatus.

USE - For access control of pre-encrypted on-demand television services over communication network e.g. satellite and Internet based networks.

ADVANTAGE - The ODB content is securable, as deemed without burdening the content providers or service vendors.

DESCRIPTION OF DRAWING(S) - The figure shows the **block** diagram of flexible pre- **encryption** architecture.

Server (12)

Content (15)

Secondary communication path (19)

User terminal (20)

pp; 35 DwgNo 1/3

Title Terms: ACCESS; CONTROL; PROVISION; PRE; ENCRYPTION; DEMAND; CONTENT; COMMUNICATE; NETWORK; DETECT; USER; TERMINAL; CAN; ACCESS; PRE; ENCRYPTION; CONTENT; BASED; AUTHORISE; OPAQUE; DATA; BLOCK

Derwent Class: W02

International Patent Class (Main): H04N-007/16

International Patent Class (Additional): H04N-007/173

File Segment: EPI

22/5/65 (Item 13 from file: 350)

DIALOG(R)File 350:Derwent WPIX

013362400 **Image available**

WPI Acc No: 2000-534339/ **200049**

XRPX Acc No: N00-395297

Data protection **using decryption key**

Patent Assignee: YAMAHA CORP (NIHG)

Inventor: FURUKAWA M; TSUNODA S; UCHIYAMA T; USUI A

Number of Countries: 026 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 1020856	A2	20000719	EP 2000100158	A	20000111	200049	B
JP 2000207829	A	20000728	JP 994754	A	19990111	200049	

Priority Applications (No Type Date): JP 994754 A 19990111

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1020856	A2	E	24	G11B-020/00	
JP 2000207829	A		13	G11B-020/10	

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI

Abstract (Basic): EP 1020856 A2

NOVELTY - Method consists in **encrypting** the **data** before recording with the key, adding an error correction code to the **encrypted data** to form a **data block** for noise removal, writing secret information containing the key and the compliance **mark** over the data **block** in the form of noise so that the secret information containing the key and the mark can be separated from the data by the error correction process. This means that the player machine can use the key to decrypt the data only if the player can detect the compliance mark from the separated secret information. An identification code for the compliant recorder is provided and a function group dedicated for generating the mark is used when the key executes **data encryption** . A code identifies the medium used for recording the data, another identifies the compliant recorder and the compliance mark is generated from the key.

DETAILED DESCRIPTION - There are INDEPENDENT CLAIMS for (1) a recorder **encrypting data** using a key and issuing a compliance mark to authenticate the data and (2) a computer program for a recorder.

USE - Method is for preventing copying of CD, DVD, DAT, MD and broadcast-type media.

ADVANTAGE - Method prevents a recorder reproducing unauthorized data.

DESCRIPTION OF DRAWING(S) - The figure shows an optical disk recorder.

pp; 24 DwgNo 1/10

Title Terms: DATA; PROTECT; DECRYPTER; KEY
Derwent Class: T03
International Patent Class (Main): G11B-020/00; G11B-020/10
International Patent Class (Additional): G06F-012/14; G11B-020/18
File Segment: EPI

22/5/78 (Item 26 from file: 350)

DIALOG(R)File 350:Derwent WPIX

010445093 **Image available**
WPI Acc No: 1995-346410/ **199545**
XRPX Acc No: N95-259030

Data encryption **method** - encrypting **data into number of** data blocks **and control** blocks **which define** data block encryption **using randomly selected functions**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC); IBM CORP (IBMC)
Inventor: YORKE-SMITH I E
Number of Countries: 005 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 676876	A1	19951011	EP 95302218	A	19950403	199545	B
GB 2288519	A	19951018	GB 946613	A	19940405	199545	
JP 7281596	A	19951027	JP 9533219	A	19950222	199601	
US 5548648	A	19960820	US 94276192	A	19940715	199639	N
JP 3229148	B2	20011112	JP 9533219	A	19950222	200174	

Priority Applications (No Type Date): GB 946613 A 19940405; US 94276192 A 19940715
Cited Patents: 02Jnl.Ref; DE 1447301; EP 464562; EP 95923; JP 5102960; US 5253294
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 676876	A1	E	16	H04L-009/00	
Designated States (Regional): DE FR GB					
GB 2288519	A		24	H04L-009/14	
JP 7281596	A		12	G09C-001/00	
US 5548648	A		13	H04L-009/00	
JP 3229148	B2		11	G09C-001/00	Previous Publ. patent JP 7281596

Abstract (Basic): EP 676876 A

The **encryption** method for encrypting data containing data **segments** (DS1-DSn) into **encrypted** data **blocks** (EDB1-EDBn) and associated control **blocks** (CB1-CBn) involves selecting several **encryption** functions (F1-Fi). The data **segments** are **encrypted** using the selected function. The data **segments** can be of varying lengths. An **encrypted** data **block** is produced containing the **encrypted** data **segment** . An associated control **block** is produced for each **encrypted** data **block** . Each control **block** consists of the information needed to decrypt the data blocks.

Pref., the encryption functions are chosen via a mapping of random numbers to functions. The data, its **start point** in the **block** and its length are all **encrypted** . Both **blocks** are padded with random numbers and start positions can vary.

USE/ADVANTAGE - Communication systems. Provides encryption system that is computationally efficient while retaining high security. Short encryption and decryption times.

Dwg.3/7

Title Terms: DATA; ENCRYPTION; METHOD; DATA; NUMBER; DATA; BLOCK; CONTROL;

BLOCK; DEFINE; DATA; BLOCK; ENCRYPTION; RANDOM; SELECT; FUNCTION
Derwent Class: P85; W01
International Patent Class (Main): G09C-001/00; H04L-009/00; H04L-009/14
International Patent Class (Additional): H04L-009/06; H04L-009/12; H04L-009/16
File Segment: EPI; EngPI

22/5/79 (Item 27 from file: 350)
DIALOG(R)File 350:Derwent WPIX

010181186 **Image available**
WPI Acc No: 1995-082439/ **199511**
Related WPI Acc No: 1993-258906
XRPX Acc No: N95-065260

Creation and transmission method for confidential documents - scrambling and descrambling source image including many original image portions **using reference** marks **for at least one of registration, scaling, rotation or shifting**

Patent Assignee: ALIROO LTD (ALIR-N); SOLOMON H (SOLO-I)
Inventor: MENCZER E; POMERANTZ Y
Number of Countries: 057 Number of Patents: 006
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9504428	A1	19950209	WO 94US8684	A	19940801	199511	B
AU 9474785	A	19950228	AU 9474785	A	19940801	199522	
US 5491563	A	19960213	WO 93US959	A	19930203	199612	
			US 93131326	A	19931004		
			US 95442636	A	19950517		
IL 106567	A	19970318	IL 106567	A	19930802	199717	
JP 9504660	W	19970506	WO 94US8684	A	19940801	199728	
			JP 95506052	A	19940801		
IL 109591	A	19980715	IL 109591	A	19940506	199834	

Priority Applications (No Type Date): IL 109591 A 19940506; IL 106567 A 19930802; US 93131326 A 19931004; IL 100863 A 19920204
Cited Patents: EP 418742; US 4459611; US 4965842; US 5018026; US 5086434; US 5159630; US 5222136; US 5233653; US 5237521; US 5237624; US 5255106; US 5278920; US 5313521; US 5317646; US 5321749; US 5325433; US 5331431; WO 9217024
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9504428	A1	E	205	H04N-001/44	
Designated States (National): AM AT AU BB BG BR BY CA CH CN CZ DE DK ES FI GB GE HU JP KE KG KP KR KZ LK LT LU LV MD MG MN MW NL NO NZ PL PT RO RU SD SE SI SK TJ TT UA US UZ VN					
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT KE LU MC MW NL OA PT SD SE					
AU 9474785	A			H04N-001/44	Based on patent WO 9504428
US 5491563	A		22	H04N-001/44	Cont of application WO 93US959 Cont of application US 93131326
JP 9504660	W		33	H04N-001/44	Based on patent WO 9504428
IL 106567	A			H04N-001/44	
IL 109591	A			H04N-001/44	

Abstract (Basic): WO 9504428 A

The method involves generating a **scrambled** image by generating several second image **portions** (192). At least one of the second image portions in an individual location in the second image portions comprises a first image portion in a different location in the first image portions and a passpartout (196) surrounding at least some of the first image portion.

At least one of the **portions** of the **scrambled** image contains target **information** which was not present in the source image.

ADVANTAGE - Improved handling of confidential information in hard copy format.

Dwg.17/37

Title Terms: CREATION; TRANSMISSION; METHOD; CONFIDE; DOCUMENT; SCRAMBLE; SOURCE; IMAGE; ORIGINAL; IMAGE; PORTION; REFERENCE; MARK; ONE; REGISTER; SCALE; ROTATING; SHIFT

Derwent Class: W02

International Patent Class (Main): H04N-001/44

File Segment: EPI

22/5/95 (Item 43 from file: 350)

DIALOG(R)File 350:Derwent WPIX

004573568

WPI Acc No: 1986-076912/ **198612**

XRPX Acc No: N86-056287

Copy protection of software stored on magnetic medium - by forming medium and domain pattern marks in medium and checking for presence of both marks in use of software

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC); IBM CORP (IBMC)

Inventor: CHANDRA A N; COMERFORD L D; WHITE S R

Number of Countries: 004 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 174472	A	19860319	EP 85109182	A	19850723	198612	B
US 4644493	A	19870217	US 84651184	A	19840914	198709	
US 4903296	A	19900220	US 86930219	A	19861112	199014	
EP 174472	B1	19931118	EP 85109182	A	19850723	199346	
DE 3587658	G	19931223	DE 3587658	A	19850723	199401	
			EP 85109182	A	19850723		

Priority Applications (No Type Date): US 84651184 A 19840914

Cited Patents: 2.Jnl.Ref; A3...8950; EP 110511; FR 2535885; No-SR.Pub; US 4352952

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 174472	A	E	70		
Designated States (Regional): DE FR GB					
EP 174472	B1	E	32	G06F-012/14	
Designated States (Regional): DE FR GB					
DE 3587658	G			G06F-012/14	Based on patent EP 174472

Abstract (Basic): EP 174472 A

A medium mark (32) is formed in the disc (30) during, or after, its manufacture. The mark changes the magnetic orientation of areas of the disc so that they no longer respond to the write head. The mark may correspond to oen bit location in a formate sector or it may lie in more than one formatted sector (34). A magnetic field is then applied to the region of the disc which contains the mark. The effect of the field is to modify the sector structure so that a region (36) results which contains large domains.

The disc is then reformatted in all sectors except those which contain the mark (32). That sector which contains the medium mark (32) now contains a second mark such as a domain pattern mark. To apply the copy **protection** method, the **data** stored in sectors containing the two marks are read twice is succession and compared to verify the existence of the second mark. Then data are written into these sectors to replace the second mark. The data stored are read a third time and compared with the data written to verify the presence of the first mark. These verifications are used as a necessary condition before executing the stored program.

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File 348:EUROPEAN PATENTS 1978-2005/Jul W04
         (c) 2005 European Patent Office
File 349:PCT FULLTEXT 1979-2005/UB=20050804,UT=20050728
         (c) 2005 WIPO/Univentio

Set     Items   Description
S1     350882   CHECKPOINT? ? OR KEYPOINT? ? OR TRIGGERPOINT? ? OR (CHECK -
              OR KEY OR TRIGGER)()POINT? ? OR MARK? ? OR MARKER? ? OR MARKI-
              NGS OR (START??? OR END???)()POINT? ? OR TAG OR TAGS
S2      59730   S1(10N)(SEGMENT? ? OR SECTION? ? OR PORTION? ? OR PART OR -
              PARTS OR FRAGMENT? ? OR BLOCK? ? OR PARAGRAPH? ? OR CHUNK? ? -
              OR PAGE OR PAGES)
S3     137523   (ENCRYPT? OR ENCIPHER??? OR CIPHER??? OR PROTECT???? OR SC-
              RAMBL??? OR SECURE? ? OR SECURING)(7N)(SEGMENT? ? OR SECTION?
              ? OR PORTION? ? OR PART OR PARTS OR FRAGMENT? ? OR BLOCK? ? OR
               PARAGRAPH? ? OR CHUNK? ? OR PAGE OR PAGES)
S4      33588   S1(7N)(INSERT??? OR ADD??? OR PLACE? ? OR PLACING)
S5     731184   ENCRYPT? OR ENCIPHER??? OR CIPHER??? OR PROTECT???? OR SCR-
              AMBL??? OR SECURE? ? OR SECURING
S6      53974   S5(7N)(DOCUMENT? ? OR ARTICLE? ? OR MANUSCRIPT? ? OR WRITT-
              EN()WORK? ? OR DIGITAL()(ASSET? ? OR GOOD? ?) OR VIDEO? ? OR -
              MOVIE? ? OR FILM? ? OR MUSIC OR SONG? ? OR AUDIO OR MP3? ?)
S7      79527   S5(7N)(SOFTWARE OR PROGRAM? ? OR APPLICATION? ? OR CONTENT?
               ? OR FILE? ? OR DATA OR INFORMATION OR INTELLECTUAL()PROPERTY
              OR MESSAGE? ?)
S8         75   S2(50N)S3(50N)S4(50N)S6:S7
S9         54   S8 AND AC=US/PR
S10        38   S9 AND AY=(1970:2000)/PR
S11        26   S8 AND PY=1970:2000
S12        43   S10:S11
S13        43   IDPAT (sorted in duplicate/non-duplicate order)
```

13/3,K/7 (Item 7 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00559947 **Image available**
COMPOSITE PRODUCTS, METHODS AND APPARATUS
PRODUITS COMPOSITES, PROCEDES ET SYSTEME ASSOCIES
Patent Applicant/Assignee:
TENSILE COMPOSITE RESEARCH,
Inventor(s):
CHAPUIS Laurent,
AINLAY Thomas M,
BAUDET Jean-Pierre,
BRUEGGER Marc A,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200023320 A2 **20000427** (WO 0023320)
Application: WO 99IB1770 19991012 (PCT/WO IB9901770)
Priority Application: US 98173917 19981016
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AU CA JP NZ AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 11195
Patent and Priority Information (Country, Number, Date):
Patent: ... **20000427**
Fulltext Availability:
Detailed Description
Publication Year: **2000**

Detailed Description
... 14 with
like reference numerals referring to like elements. An open ended vacuum drum 110A houses a **segment** projector 124 which projects **segment** placement **marks** 60 onto a first film layer 52A. **Segment** projector 124 could project **marks** 60 through drum 110A if -drum 110A is transparent or sufficiently translucent. **Segments** 16 or mat-type **segments** 20 are **secured** to **film** layer 52A. A second **film** layer, not shown in Fig. 15, is then wound onto drum 110A to create a material stack...

...of the segment belts 106 of
Figs. 10, 10A with the embodiment of Figs. 15, 16. if **segments** 16, 20 are **placed** using automated equipment, projecting **marks** 60 may not be necessary except as a quality control check.
An advantage of the invention is...

13/3,K/11 (Item 11 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00397788 **Image available**
IN-CAMERA IMAGE MARKING AND AUTHENTICATION
MARQUAGE ET AUTHENTIFICATION D'IMAGE DANS UN APPAREIL PHOTOGRAPHIQUE
Patent Applicant/Assignee:
OBSIDIAN IMAGING INC,
Inventor(s):
STEINBERG Eran,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9738531 A1 **19971016**
Application: WO 97US5532 19970403 (PCT/WO US9705532)
Priority Application: US 96627441 19960404
Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
CA JP AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 7729

Patent and Priority Information (Country, Number, Date):
Patent: ... **19971016**
Fulltext Availability:
Detailed Description
Publication Year: **1997**

Detailed Description
... 82 involves the processes of converting the original image data according to the indicium (indicium data) to **place** the **mark** on the original image, i.e. to form marked image **data** . Block 82 also includes **encrypting** the indicium and formula, creating the mark lookup table, and an encrypted mark lookup table and includes...

...of a table containing the sum of data in each row and column of the original image **data** . Block 82 also includes **encryption** of the authentication **data** to create **encrypted** authentication **data** .

Block 84 indicates the process of saving the **encrypted** authentication **data** , marked image **data** and **encrypted** mark lookup table. The **encrypted** authentication **data** and **encrypted** mark lookup table (or **encrypted** indicium and formula) can be placed as a header to the marked image data Block 86 indicates...

13/3,K/15 (Item 15 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01169442
Data protection method using decryption key concealed in compliant mark
Datensschutzverfahren mit in nachgiebiger Markierung verstecktem Entschlusselungsschlussel
Methode de protection de donnees utilisant une clef de decryptage cachee dans un marquage conforme
PATENT ASSIGNEE:
YAMAHA CORPORATION, (404961), 10-1, Nakazawa-cho, Hamamatsu-shi Shizuoka-ken, (JP), (Applicant designated States: all)
INVENTOR:
Furukawa, Masamichi, Uchinodai 4-8-21, Hamakita-shi, Shizuoka-ken, 434-0045, (JP)
Tsunoda, Shigeo, Yamaha Corporation, 10-1, Nakazawa-cho, Hamamatsu-shi, Shizuoka-ken, (JP)
Uchiyama, Toshihito, Yamaha Corporation, 10-1, Nakazawa-cho, Hamamatsu-shi, Shizuoka-ken, (JP)
Usui, Akira, Yamaha Corporation, 10-1, Nakazawa-cho, Hamamatsu-shi, Shizuoka-ken, (JP)
LEGAL REPRESENTATIVE:
Geyer, Ulrich F., Dr. Dipl.-Phys. et al (4121), WAGNER & GEYER, Patentanwalte, Gewurzmuhlstrasse 5, 80538 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 1020856 A2 000719 (Basic)
EP 1020856 A3 010124
APPLICATION (CC, No, Date): EP 100158 000111;
PRIORITY (CC, No, Date): JP 994754 990111
DESIGNATED STATES: DE; FR; GB
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G11B-020/00; G11B-020/18; G06F-012/14

ABSTRACT WORD COUNT: 196
NOTE:
Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200029	3349
SPEC A	(English)	200029	7636
Total word count - document A			10985
Total word count - document B			0
Total word count - documents A + B			10985

...SPECIFICATION The second generating section 8 subsequently generates an execution key Y from the session key Rs. The **encrypting** block 2 encrypts the data with the execution key Y before recording of the data such that...

...be reproduced by a player machine. The ECC encoder 3 adds an error correction code to the **encrypted data** to form a **data** block such that the **encrypted data** can be made free of a noise by an error correction process of the data block using...

...the player machine. The third generating section including the function value generator 15 and the key encrypting **block** 12 further generates the compliant **mark** Es from the session key Rs such that the compliant mark Es contains information of the session key Rs. Stated otherwise, the key is concealed in the compliant **mark** . The writing **section** including ECC2 encoder 13 and **adder** 14 writes the compliant **mark** Es over the data **block** in the form of a noise such that the compliant **mark** Es can be separated from the data by the error correction process performed by the player machine...

...so as to decrypt the data if the player machine can recognize or interpret the separated compliant **mark** Es.
FIG. 2 is a **block** diagram illustrating the configuration of an optical disc player machine practiced as an embodiment of the invention ...

13/3,K/16 (Item 16 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01126149
Document management method and apparatus, and recording medium therefor
Dokumentverwaltungsverfahren und -Gerat, und Aufzeichnungsmedium dafur
Procede et appareil de gestion de documents, et support d'enregistrement correspondant
PATENT ASSIGNEE:
Hitachi, Ltd., (204144), 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, (JP), (Applicant designated States: all)
INVENTOR:
Kawanishi, Yasunori, 3204, Noborito, Tama-ku, Kawasaki-shi, Kanagawa-ken, (JP)
Toyoshima, Hisashi, 1709-19, Ohtsuka, Hachiohji-shi, Tokyo, (JP)
Nagai, Yasuhiko, 13-12, Hongou 4-chome, Bunkyo-ku, Tokyo, (JP)
LEGAL REPRESENTATIVE:
Calderbank, Thomas Roger et al (50122), MEWBURN ELLIS York House 23 Kingsway, London WC2B 6HP, (GB)
PATENT (CC, No, Kind, Date): EP 984615 A2 000308 (Basic)
EP 984615 A3 010516
APPLICATION (CC, No, Date): EP 99306886 990831;
PRIORITY (CC, No, Date): JP 98244721 980831
DESIGNATED STATES: DE; FR; GB; IT

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: H04N-001/32
ABSTRACT WORD COUNT: 119
NOTE:
Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200010	420
SPEC A	(English)	200010	5879
Total word count - document A			6299
Total word count - document B			0
Total word count - documents A + B			6299

...SPECIFICATION processing comprises a processing of inputting seal mark corresponding to the employee ID,
a processing of embedding **encrypted** information with each secret key in a specific **block** of seal **mark** , wherein the embedded information areselected document characteristic quantity information and sealing information such as seal serial No...
...in condition of confirming data validity and reproduction acceptability, adding reproduced seal mark to information indicating reproduction, **encrypting** the seal mark with a secret key, and embedding the **encrypted data** in a specific **block** of the seal **mark** , attaching a public key, and sealing the seal mark in the position that the document set.
Seal...

...public key attached with the seal mark.
And confirming certified document information and data original to decrypted **data** , **adding information** indicating invalidity of seal **mark** , **encrypting** with its own secret key, embedding **encrypted data** in a specific **block** of seal **mark** , attaching a public key, and sealing in a position that the document set.
Document certification processing is...

13/3,K/18 (Item 18 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

00762742
Copy prevention method and apparatus of a digital magnetic recording/reproduction system
Verfahren und Anlage zur Verhinderung von Kopien fur digitales magnetisches Aufnahme-/Wiedergabesystem
Methode et appareil pour eviter de faire des copies pour un systeme d'enregistrement/de reproduction magnetique numerique
PATENT ASSIGNEE:
LG ELECTRONICS INC., (1914271), 20, Yoido-Dong, Yongdungpo-Ku, Seoul, (KR), (Proprietor designated states: all)
INVENTOR:
Park, Tae Joon, 20-118 Soongin-dong, Jongro-ku, Seoul, (KR)
LEGAL REPRESENTATIVE:
McLeish, Nicholas Alistair Maxwell et al (74621), Boult Wade Tennant Verulam Gardens 70 Gray's Inn Road, London WC1X 8BT, (GB)
PATENT (CC, No, Kind, Date): EP 716544 A2 960612 (Basic)
EP 716544 A3 970618
EP 716544 B1 020410
APPLICATION (CC, No, Date): EP 95308674 951201;
PRIORITY (CC, No, Date): KR 3333694 941208
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: H04N-005/913
ABSTRACT WORD COUNT: 245
NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	2010
CLAIMS B	(English)	200215	1892
CLAIMS B	(German)	200215	1582
CLAIMS B	(French)	200215	2117
SPEC A	(English)	EPAB96	5446
SPEC B	(English)	200215	5483
Total word count - document A			7457
Total word count - document B			11074
Total word count - documents A + B			18531

...SPECIFICATION process is carried out in the sequence of encrypting a marker formed by a control word for **scrambling** audio and video bit straps and copy prevention information for preventing an illegal copy by means of...

...copy prevention apparatus of a digital magnetic recording/reproducing system may include a marker detecting and inserting **part** for detecting a **marker** from input bit strips, and inserting the updated marker to the bit strips to output the result. A **marker** analyzing and processing **part** decrypts and analyzes the encrypted **marker** from the **marker** detecting and inserting **part** by means of an encoded key, outputs a control word for descrambling the bit strips, and updates...

...the decrypted marker by means of the encoded key to output the result. In addition, a buffer **part** buffers the control word and updated and encrypted **marker** from the **marker** analyzing and processing **section** , and inserts the updated and encrypted **marker** in the **marker** detecting and inserting **part** , and a descrambler descrambles the bit strips provided via the **marker** detecting and inserting **part** by means of the control word from the buffer part.

BRIEF DESCRIPTION OF THE DRAWINGS

The above...The updated marker is encrypted by means of the encoded key to be replaced with the succeeding **marker** and inserted 17. More specifically, as the marker is supplied whenever the control word is changed, it...

...the received bit strips, and inserts to output the updated marker, i.e., the updated and encrypted **marker** , from buffer **section** 23 to the bit strips.

Marker analyzing/processing **section** 22 utilizes the encoded key to decrypt and analyze the encrypted **marker** from **marker** detecting/inserting **section** 21, thereby providing the control word CW for descrambling the bit strips. Then, the decrypted marker is updated and encrypted by the encoded key to be output.

Buffer **section** 23 buffers control word CW and updated and encrypted **marker** IEM from **marker** analyzing/processing **section** 22, so that updated and encrypted **marker** IEM is supplied to be inserted in **marker** detecting/inserting **section** 21.

Descrambler 24 descrambles the bit strips output via **marker** detecting/inserting **section** 21 by means of the control word CW from buffer section 23 to supply the result to...

...SPECIFICATION process is carried out in the sequence of encrypting a marker formed by a control word for **scrambling** audio and video bit strips and copy prevention information for preventing an illegal copy by means of...

...a copy prevention apparatus for a digital magnetic recording/reproducing system comprising a marker detecting and inserting **part** for detecting an encrypted **marker** from input bit strips, and inserting the updated marker to the bit strips to output the result...

13/3,K/25 (Item 25 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00897914 **Image available**
SCALABLE CODING OF MULTI-MEDIA OBJECTS
CODAGE A GEOMETRIE VARIABLE D'OBJETS MULTIMEDIA
Patent Applicant/Assignee:
KONINKLIJKE PHILIPS ELECTRONICS N V, Groenewoudseweg 1, NL-5621 BA Eindhoven, NL, NL (Residence), NL (Nationality)
Inventor(s):
VAN DER VLEUTEN Renatus J, Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,
VAN DER SCHAAR Mihaela, Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,
Legal Representative:
GROENENDAAL Antonius W M (agent), INTERNATIONAAL OCTROOIBUREAU B.V., Prof Holstlaan 6, NL-5656 AA Eindhoven, NL,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200232147 A1 20020418 (WO 0232147)
Application: WO 2001EP11565 20011004 (PCT/WO EP0111565)
Priority Application: US 2000239345 20001011; US 2000239659 20001012
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK
SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 4997

Fulltext Availability:
Detailed Description

Detailed Description
... source coding and channel coding are not carried out at the same time or location. The quality **tags** then give the required **information** for **adding** the channel coding (unequal error **protection** , e.g. more **protection** for **parts** of the bit-stream that represent higher quality, or more **protection** for **parts** of the bit-stream with a high quality to number of bits ratio).

The invention may also...
...by reference herein. The quality information may conveniently be included in JPEG2000, because a Comment and Extension **Marker** (CME) has already been defined (see **page** 51 of document N 1 646), which allows unstructured data in the header. Quality information is advantageously...

13/3,K/26 (Item 26 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00896438
SECURITY RATING METHOD
METHODE DE CLASSEMENT DE SECURITE
Patent Applicant/Assignee:
VERISCAN SECURITY AB, Lovartsgatan 9, Box 4082, S-650 04 Karlstad, SE, SE (Residence), SE (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
GUSTAFSSON Mikael, Nygatan 22, S-652 20 Karlstad, SE, SE (Residence), SE

(Nationality), (Designated only for: US)
BRANZELL Jan, Bjurbacksgatan 10, S-654 55 Karlstad, SE, SE (Residence), SE (Nationality), (Designated only for: US)
LUNDMARK Lorentz, Edebacksgatan 15, S-654 61 Karlstad, SE, SE (Residence), SE (Nationality), (Designated only for: US)
RODRICK Anders, Egnahemsgatan 6, S-654 63 Karlstad, SE, SE (Residence), SE (Nationality), (Designated only for: US)
Legal Representative:
JOHANSSON Lars (agent), Patech Sarl, Case postale 25, CH-1138 Villars-sous-Yens, CH,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200229527 A2 20020411 (WO 0229527)
Application: WO 2001EP10970 20010921 (PCT/WO EP0110970)
Priority Application: SE 20003378 20000921; US 2001290593 20010511
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 13082

Fulltext Availability:
Detailed Description

Detailed Description
... grade of 0 is not either a difficult task, because this grade states a total lack of **information** or **protection** .. The tricky **part** is to grade a **checkpoint** either lower(1 or 2) or higher(4 or 5) than 3.

This latter part is up...

...fire extinguisher of the proper type should be placed easily accessible and signs have to be in **place** . A typical positive aspect on this **checkpoint** will be if the extinguisher is **placed** in an excellent position, it has been controlled recently and there are signs which are both obvious...

13/3,K/28 (Item 28 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00869470 **Image available**
A METHOD AND SYSTEM FOR SECURE TRANSMISSION OF DATA
PROCEDE ET SYSTEME POUR SECURISER UNE EMISSION DE DONNEES
Patent Applicant/Assignee:
KRYPTOFAX LP, 155 Tims Road, Ancram, NY 12502, US, US (Residence), US (Nationality)
Inventor(s):
VIRGA Richard, 298 Mulberry Street, Apt. 3G, New York, NY 10012, US,
BITTNER Jack, 2 Fifth Avenue, New York, NY 10011, US,
Legal Representative:
MESSINA Gerard A (agent), Kenyon and Kenyon, 1 Broadway, New York, NY 10004, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200203606 A1 20020110 (WO 0203606)
Application: WO 2001US21329 20010705 (PCT/WO US0121329)

Priority Application: US 2000610257 20000705
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 7145

Fulltext Availability:
Detailed Description

Detailed Description
... display. Another possibility is to output the encrypted image to a diskette or ROM card and then **insert** (inverted exclamation **mark**)t into a decrypter to view (inverted exclamation mark)t without printing (inverted exclamation mark)t.

It...

...by the user by entering an appropriate response on keyboard 12 to a prompt on display 11. **Information** as to which **encryption** algorithm has been used to **encrypt** a **document** could be displayed as **part** of the automatically produced unecrypted text 61, or (inverted exclamation **mark**)t could be encoded in any of several places in the **encrypted portion** of the **document** , such as by vary(inverted exclamation **mark**)ng the top of- **page** code 63, or by embedding an algorithm identifier within the coded symbols 62.

FIG. lla is a...

13/3,K/36 (Item 36 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00568591 **Image available**
A METHOD AND A DEVICE FOR ENCRYPTION OF IMAGES
PROCEDE ET DISPOSITIF DE CRYPTAGE D'IMAGES
Patent Applicant/Assignee:
TELEFONAKTIEBOLAGET LM ERICSSON (publ),
Inventor(s):
JANDEL Magnus,
LARSSON Mathias,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200031964 A1 **20000602** (WO 0031964)
Application: WO 99SE2106 19991117 (PCT/WO SE9902106)
Priority Application: SE 983979 19981120
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA

MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA
UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU
TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG
CI CM GA GN GW ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 4000

Patent and Priority Information (Country, Number, Date):
Patent: ... **20000602**
Fulltext Availability:
Detailed Description
Publication Year: **2000**

Detailed Description
... the header that
defines a default coding unit order thus saving the bits that
are needed for **inserting** explicit **tags** .

SUBSTITUTE SHEET (RULE 26)
In Figs. 2a and 2b **block** diagrams describing how **encryption** can
be implemented in the JPEG 2000 encoder and decoder
respectively, are shown.

Thus, in Fig 2a a **block** diagram where **encryption** is performed
after entropy coding in the encoder is shown. Coding units enter
an entropy coding block...
...all.

In response to the selection made in the selector 203 the
entropy coded coding units are **encrypted** in a **block** 205. The
encrypted coding units together with the not **encrypted** coding
units then form a combined output **data** stream, which can be
stored or transmitted.

In Fig. 2b a decoder for decoding the bit stream...

13/3,K/38 (Item 38 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00473022 **Image available**
SECURE TRANSACTIONS
TRANSACTIONS PROTEGEES
Patent Applicant/Assignee:
GILBARCO LIMITED,
Inventor(s):
JOHNSON William Smith Jr,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9904374 A1 **19990128**
Application: WO 98GB2083 19980716 (PCT/WO GB9802083)
Priority Application: US 97895225 19970716; US 97895282 19970716; US
97895417 19970716
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM
HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX
NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM
KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI
FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD
TG
Publication Language: English
Fulltext Word Count: 14162

Patent and Priority Information (Country, Number, Date):
Patent: ... **19990128**
Fulltext Availability:
Detailed Description
Publication Year: **1999**

Detailed Description
... send encrypted CRN [ECRN]);
UNSIGNED CHAR Tag
Random-Number[8] (send TRN); and
UNSIGNED CHAR LRC (checksum).

- **Secure** Write Data
The secure write data command causes the tag cryptography electronics 104 to store data that...

...send 8 bytes of encrypted data);
UNSIGNED CHAR Authenticator-Block[8] (send 8 bytes of encrypted authenticator
data); and
UNSIGNED CHAR LRC (checksum).

The possible replies from the tag 100 are.

UNSIGNED CHAR Command-Accepted = ACK; and
UNSIGNED CHAR Command-Not-Accepted = NAK.

- **Secure** Add **Data**
The **secure** add **data** command causes the tag cryptography electronics 104 to add data that is part of this command to...

...relative to a group and starts from block 0.

A sample protocol command sequence follows.

UNSIGNED CHAR **Secure** -Add- **Data** = E6 (send command);
UNSIGNED SHORT New Sequence number (send new sequence number);
UNSIGNED CHAR Group-Number (select group);
UNSIGNED SHORT Block-Number (select block);
UNSIGNED CHAR **Data** [8] (send 8 byte **encrypted** **data**);
UNSIGNED CHAR Authenticator-Block[8] (send 8 byte **encrypted** authenticator
data ; and
UNSIGNED CHAR LRC (checksum).

The possible replies from the tag I 00 are.

UNSIGNED CHAR Command-Accepted = ACK; and
UNSIGNED CHAR Command-Not-Accepted = NAK.

- **Secure** Subtract **Data**
The **secure** subtract **data** command causes the tag cryptography electronics 104 to perform a subtraction from the secure data storage area...Number (send current sequence number);
UNSIGNED CHAR DES-Key-Counter (send DES key counter value);
UNSIGNED CHAR **Data** [8] /* **encrypted** */ (send **encrypted** **data**);
UNSIGNED CHAR Authenticator-Block[8] (send **encrypted** authentic or
data);
/* **encrypted** */ and
UNSIGNED CHAR LRC (checksum).

- Unsecure Write **Data**
The unsecure write data command causes the tag cryptography electronics 104 to store data that is part...

...is relative to a group and starts from block 0.

A command protocol sequence follows;
UNSIGNED CHAR **Secure** -Write- **Data** = E9 (send command);
UNSIGNED CHAR Sequence-Number (send sequence number);
UNSIGNED CHAR Group-Number (select group);
UNSIGNED...

...UNSIGNED CHAR Command-Accepted = ACK; and
UNSIGNED CHAR Command-Not-Accepted = NAK.

- Unsecure Add Data
The unsecure **add** data command causes the tag cryptography electronics 104 to **add** data that is part of this command to the data that is already in storage in the tag cryptography electronics 104. The sequence number is one higher than the sequence number stored in the **tag** cryptography electronics 104. The **Add** function **adds** the data in the block to the data in the command and stores the result in the...

...relative to a group and starts from block 0.
The command protocol sequence would be.

UNSIGNED CHAR **Secure** -Add- **Data** = EA (send command);
UNSIGNED SHORT New-Sequence-number (send new sequence number);
UNSIGNED CHAR Group-@Number (select...

13/3,K/39 (Item 39 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00440649
SYSTEMS AND METHODS FOR MODIFYING BROADCAST PROGRAMMING
SYSTEMES ET PROCEDES POUR MODIFIER LA PROGRAMMATION D'UNE EMISSION
Patent Applicant/Assignee:
PERSONAL AUDIO,
Inventor(s):
LOGAN James D,
GOESSLING Daniel F,
GOLDHOR Richard S,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9831113 A2 **19980716**
Application: WO 98IB208 19980106 (PCT/WO IB9800208)
Priority Application: US 97780669 19970107
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM
GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX
NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM
KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR
GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 8971

Patent and Priority Information (Country, Number, Date):
Patent: ... **19980716**
Fulltext Availability:
Detailed Description
Publication Year: **1998**

Detailed Description
... the playback rate, and allows a user to listen for marker signals, and thereby check if the **markers** have been properly **inserted** at the beginning and ends of the signal. The program will allow manual editing

to correct misplaced **markers** .

The editing program also allows a user to clip a **segment** and direct that segment to be stored by the recording element 20 depicted in Fig. 3. Additionally mechanism 56 that can decrypt an **encrypted segment** signal, to provide to the **audio** generator 58 a signal suitable for processing into an audio signal. Further, the shredder mechanism can delete...

...signal after it is transmitted to the audio signal generator 58, and can shred any copies of **encrypted** or decrypted **segment** signals by **encrypting** such signals with a randomly generated key, typically provided by a random number generator in the processor...

```
File   8:Ei Compendex(R) 1970-2005/Jul W4
         (c) 2005 Elsevier Eng.  Info. Inc.
File  35:Dissertation Abs Online 1861-2005/Jul
         (c) 2005 ProQuest Info&Learning
File  65:Inside Conferences 1993-2005/Jul W5
         (c) 2005 BLDSC all rts. reserv.
File   2:INSPEC 1969-2005/Jul W4
         (c) 2005 Institution of Electrical Engineers
File  94:JICST-EPlus 1985-2005/Jun W2
         (c)2005 Japan Science and Tech Corp(JST)
File   6:NTIS 1964-2005/Jul W4
         (c) 2005 NTIS, Intl Cpyrght All Rights Res
File 144:Pascal 1973-2005/Jul W4
         (c) 2005 INIST/CNRS
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
         (c) 1998 Inst for Sci Info
File  34:SciSearch(R) Cited Ref Sci 1990-2005/Jul W5
         (c) 2005 Inst for Sci Info
File  99:Wilson Appl. Sci & Tech Abs 1983-2005/Jul
         (c) 2005 The HW Wilson Co.
File 266:FEDRIP 2005/Jun
         Comp & dist by NTIS, Intl Copyright All Rights Res
File  95:TEME-Technology & Management 1989-2005/Jun W4
         (c) 2005 FIZ TECHNIK

Set     Items   Description
S1     822271   CHECKPOINT? ? OR KEYPOINT? ? OR TRIGGERPOINT? ? OR (CHECK -
              OR KEY OR TRIGGER)()POINT? ? OR MARK? ? OR MARKER? ? OR MARKI-
              NGS OR (START??? OR END???)()POINT? ? OR TAG OR TAGS
S2      24403   S1(10N)(SEGMENT? ? OR SECTION? ? OR PORTION? ? OR PART OR -
              PARTS OR FRAGMENT? ? OR BLOCK? ? OR PARAGRAPH? ? OR CHUNK? ? -
              OR PAGE OR PAGES)
S3      25603   (ENCRYPT? OR ENCIPHER??? OR CIPHER??? OR PROTECT???? OR SC-
              RAMBL??? OR SECURE? ? OR SECURING)(7N)(SEGMENT? ? OR SECTION?
              ? OR PORTION? ? OR PART OR PARTS OR FRAGMENT? ? OR BLOCK? ? OR
               PARAGRAPH? ? OR CHUNK? ? OR PAGE OR PAGES)
S4       8103   S1(7N)(INSERT??? OR ADD??? OR PLACE? ? OR PLACING)
S5          3   S2 AND S3 AND S4
S6         80   S2 AND S3
S7         62   RD (unique items)
S8    1508844   (ENCRYPT? OR ENCIPHER??? OR CIPHER??? OR PROTECT???? OR SC-
              RAMBL??? OR SECURE? ? OR SECURING)
S9      34759   S8(7N)(DOCUMENT? ? OR ARTICLE? ? OR MANUSCRIPT? ? OR WRITT-
              EN()WORK? ? OR DIGITAL()(ASSET? ? OR GOOD? ?) OR VIDEO? ? OR -
              MOVIE? ? OR FILM? ? OR MUSIC OR SONG? ? OR AUDIO OR MP3? ?)
S10    134639   S8(7N)(SOFTWARE OR PROGRAM? ? OR APPLICATION? ? OR CONTENT?
               ? OR FILE? ? OR DATA OR INFORMATION OR INTELLECTUAL()PROPERTY
              OR MESSAGE? ?)
S11        14   S7 AND S9:S10
```

11/5/7 (Item 1 from file: 94)
DIALOG(R)File 94:JICST-EPlus

05696101 JICST ACCESSION NUMBER: 04A0111816 FILE SEGMENT: JICST-E
An Encryption Scheme without Generating Specific Codes.
IWAMURA KEIICHI (1); HAYASHI JUN'ICHI (1)
(1) Canon Inc., JPN
Joho Shori Gakkai Shinpojiumu Ronbunshu, 2003, VOL.2003,NO.15, PAGE.217-222, FIG.3, REF.2
JOURNAL NUMBER: Y0978BAT ISSN NO: 1344-0640
UNIVERSAL DECIMAL CLASSIFICATION: 681.3.02-759 621.391.037.3 681.3:621.397.3
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Conference Proceeding
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication
ABSTRACT: Data Formats such as JPEG2000 use some marker codes which have special meaning. In such data formats, the **marker** codes must not be generated by **encryption** in **data part** . In this paper, we propose an **encryption** scheme which does not generate marker codes although uses well known encryption method such as DES or AES. (author abst.)
DESCRIPTORS: computer security; public key cryptography; image transformation; hierarchical structure; JPEG; decoding; resolving power ; image quality; parameterization; safety
IDENTIFIERS: encryption
BROADER DESCRIPTORS: security; guarantee; cryptogram; image processing; information processing; treatment; transformation and conversion; structure; ISO Standard; international standard; standard(specification); standard; image compression; modification; signal processing; performance; image characteristic; characteristic; property
CLASSIFICATION CODE(S): JD01020V; ND02030R; JE04010I

11/5/8 (Item 2 from file: 94)
DIALOG(R)File 94:JICST-EPlus

05201983 JICST ACCESSION NUMBER: 02A0622873 FILE SEGMENT: JICST-E
Partial-scrambling of Images Encoded by JPEG2000 without Generations of Marker Codes.
KIYA HITOSHI (1); IMAIZUMI SHOKO (1)
(1) Tokyo Metropolitan Univ., Graduate School of Engineering, JPN
Denshi Joho Tsushin Gakkai Gijutsu Kenkyu Hokoku(IEIC Technical Report (Institute of Electronics, Information and Communication Enginners), 2002, VOL.102,NO.152(IE2002 24-29), PAGE.19-24, FIG.14, TBL.1, REF.13
JOURNAL NUMBER: S0532BBG
UNIVERSAL DECIMAL CLASSIFICATION: 681.3:621.397.3
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication
ABSTRACT: In this paper, we propose a partial-scrambling method for JPEG2000 coded images, that avoids generations of marker codes. Since this method is based on EBCOT algorithm, it is compliant to JPEG2000 standard CODEC. The proposed method **scrambles** body **parts** of JPEG2000 codestream by the half-byte so that it avoids generations of marker codes that causes miss decoding of JPEG2000 coded images. It is noted that **marker** codes represents codes of **markers** and **marker segments** partitioning code-streams in the range FF90h through FFFFh in this paper. (author abst.)
DESCRIPTORS: digital image; JPEG; image coding; **data protection** ; signal processing; scrambler; marker; code; security
IDENTIFIERS: scrambling

BROADER DESCRIPTORS: image; ISO Standard; international standard; standard(specification); standard; image compression; image processing; information processing; treatment; coding(signal); modification; protection; signal converter; electric converter; converter; communication apparatus; equipment; object; guarantee

CLASSIFICATION CODE(S): JE04010I

11/5/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO

06824493 **Image available**
SYSTEM AND METHOD FOR MANAGING ELECTRONIC DOCUMENT

PUB. NO.: 2001-051987 [JP 2001051987 A]
PUBLISHED: February 23, 2001 (20010223)
INVENTOR(s): KUROKAWA TAKESHI
KOJO SHINTARO
APPLICANT(s): FUJI XEROX CO LTD
APPL. NO.: 11-228316 [JP 99228316]
FILED: August 12, 1999 (19990812)
INTL CLASS: G06F-017/21; G06F-003/00; G06F-017/30

ABSTRACT

PROBLEM TO BE SOLVED: To **protect** secret of **document contents** in a system for displaying a thumb nail (reduced image) of a document as an icon and performing editing operation to the document while using the icon.

SOLUTION: Concerning the **document** of a **protection** object, certificate **information** such as keyword is set. Concerning the **protection document** to which the certificate **information** is set, an icon 130 of a prescribed mark such as the key mark showing necessity of the certifying operation is displayed on a work space part 120. Concerning the ordinary document to which the certificate information is not set, the icon 125a or 125b of a thumb nail on a certain page of the document is displayed. When the icon 130 of the **protection document** is clicked by a mouse or the like, a system requests input of the certificate information and when a user inputs the right certificate information corresponding to that request, in **place** of the icon 130 of the key **mark** , the icon containing the thumb nail on the certain **page** of that **protection document** is displayed.

11/5/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO

03661144 **Image available**
SYSTEM FOR PROOF MARK TO ELECTRONIC MEDIUM INFORMATION

PUB. NO.: 04-026244 [JP 4026244 A]
PUBLISHED: January 29, 1992 (19920129)
INVENTOR(s): KOZUKA HIROSHI
APPLICANT(s): MITSUBISHI ELECTRIC CORP [000601] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 02-131625 [JP 90131625]
FILED: May 22, 1990 (19900522)
INTL CLASS: [5] H04L-009/32; H04L-012/54; H04L-012/58
JAPIO CLASS: 44.3 (COMMUNICATION -- Telegraphy)
JOURNAL: Section: E, Section No. 1199, Vol. 16, No. 192, Pg. 79, May 11, 1992 (19920511)

ABSTRACT

PURPOSE: To prevent a proof mark from being illegally used by changing the proof mark of a proof marking individual for each electronic medium **information** while providing a message size detection **part** , **cipher** generation **part** to generate the password of the proof marking person on the proof **mark** side, and proof **mark cipher** generation **part** to generate a proof **mark** code by using size information and the password.

CONSTITUTION: The size information of a message is received through an electronic mail system 1a, inputted from a proof **mark** side console 2 to a proof **mark**0 code generation **part** 3a and obtained from a message size information detection part 4a. By using this message size information and the password of the proof mark person on the proof **mark** side **ciphered** by a password cipher generation **part** 5, a proof **mark** code generation **part** 3a generates the proof **mark** code. This code is **added** to the original received message and transmitted through the electronic mail system 1a to the proof mark confirmation side. On the proof mark confirmation side, based on the size information and the password information, the proof **mark** code is generated by a proof **mark** code generation **part** 3b even on the proof **mark** confirmation side, as well and by collating this code with the proof mark code taken out in advance, the proof mark is confirmed. Thus, the proof mark can be prevented from being used illegally.

11/5/3 (Item 3 from file: 347)
DIALOG(R)File 347:JAPIO

01563330 **Image available**
MARKER SIGNAL DETECTION CIRCUIT

PUB. NO.: 60-041830 [JP 60041830 A]
PUBLISHED: March 05, 1985 (19850305)
INVENTOR(s): SUGITA TAKEHIRO
SAKAMOTO AKIRA
FUKAMI TAKESHI
KOMATSUBARA MICHIMASA
APPLICANT(s): SONY CORP [000218] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 58-150704 [JP 83150704]
FILED: August 18, 1983 (19830818)
INTL CLASS: [4] H04K-001/06; H04L-009/00
JAPIO CLASS: 44.2 (COMMUNICATION -- Transmission Systems); 44.3 (COMMUNICATION -- Telegraphy)
JOURNAL: Section: E, Section No. 328, Vol. 09, No. 169, Pg. 21, July 13, 1985 (19850713)

ABSTRACT

PURPOSE: To obtain a general-purpose marker signal detecting circuit by storing plural **marker** components **inserted** periodically in a specific information signal, and comparing the components with a preset bit pattern.

CONSTITUTION: The **marker** signal (synchronizing signal) component **inserted** to the redundant **part** of a sound signal **scrambled** at the transmission side is extracted by an HPF12 and waveform-shaped by a comparator 13, then fed to a shift register circuit 14 comprising plural shift registers SR. A pulse pattern to be detected is set in comparators 15, 16 in advance and the pattern is compared with an output from a register circuit 14. The coincidence output from the comparator 15 is stored in registers 17, 18 and when the output is detected consecutively for 4 times, a marker detection output is obtained at an output of AND circuits 20, 21. The result is fed to a control circuit 5 of a sequence rearranging processing **section** 6 for **scramble data** .

11/5/5 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX

016779907 **Image available**
WPI Acc No: 2005-104183/200512
XRPX Acc No: N05-090444

Timing mark inserting **method for e.g. video and audio data flow, involves** inserting **timing** mark **in compressed** data **flow only after number of** encrypted **bits has reached/exceeded number of bits of** encryption block

Patent Assignee: STMICROELECTRONICS SA (SGSA)
Inventor: NICOLAI J
Number of Countries: 108 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
FR 2857813	A1	20050121	FR 20038639	A	20030716	200512	B
WO 200509047	A2	20050127	WO 2004FR1791	A	20040708	200512	

Priority Applications (No Type Date): FR 20038639 A 20030716
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
FR 2857813	A1		22	H04N-007/52	
WO 200509047	A2	F		H04N-007/52	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
Designated States (Regional): AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

Abstract (Basic): FR 2857813 A1

NOVELTY - The method involves **encrypting** bit by bit, a **part** of compressed **data** flow e.g. **video** flow, by **block encryption** algorithm. The bits of the compressed **data** flow, to be **encrypted** are stored in a buffer having a preset size. A timing **mark** is **inserted** in the compressed **data** flow only after the number of **encrypted** bits has reached or exceeded the number of bits of **encryption block** , or only after the buffer has filled.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) a compressed and **encrypted data** flow obtained by a method of **inserting** a timing **mark** in the compressed and **encrypted data** flow

(b) a coder or decoder of formatted and compressed audio or video data

(c) a computer readable medium on which a program code implementing operations of a method of **inserting** a timing **mark** on a compressed and **encrypted data** flow, is recorded to permit the computer to broadcast the compressed and **encrypted data** flow.

USE - Used for **inserting** a timing **mark** in a flow of compressed and **encrypted data** e.g. MPEG format **video data** and audio data (claimed).

ADVANTAGE - The timing **mark** is **inserted** in the compressed **data** flow only after the number of **encrypted** bits has reached or exceeded the number of bits of **encryption block** , thus avoiding the **data** packet situated between two consecutive timing **marks** of the **data** flow to be transmitted without **encryption** .

DESCRIPTION OF DRAWING(S) - The drawing shows a simplified flow chart of a method of **inserting** timing **mark** on a compressed and **encrypted data** flow.

pp; 22 DwgNo 3/4

Title Terms: TIME; MARK; INSERT; METHOD; VIDEO; AUDIO; DATA; FLOW; INSERT; TIME; MARK; COMPRESS; DATA; FLOW; AFTER; NUMBER; ENCRYPTION; BIT; REACH; NUMBER; BIT; ENCRYPTION; BLOCK
Derwent Class: W02
International Patent Class (Main): H04N-007/52
International Patent Class (Additional): H04N-007/167
File Segment: EPI

11/5/7 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014805733 **Image available**
WPI Acc No: 2002-626439/200267
Related WPI Acc No: 2000-116848; 2000-341558; 2002-061444
XRPX Acc No: N02-495382
Web browser display text alteration method for copy protection of data content , involves replacing text string between markers in buffer of memory location with alternate text string
Patent Assignee: RUBIN M (RUBI-I); SCHREIBER D (SCHR-I)
Inventor: RUBIN M; SCHREIBER D
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020078343	A1	20020620	US 99313067	A	19990517	200267 B
			US 99397331	A	19990914	
			US 2001774236	A	20010129	
			US 2001996623	A	20011128	

Priority Applications (No Type Date): US 2001996623 A 20011128; US 99313067 A 19990517; US 99397331 A 19990914; US 2001774236 A 20010129
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020078343	A1		24	H04L-009/00	CIP of application US 99313067
					CIP of application US 99397331
					CIP of application US 2001774236

Abstract (Basic): US 20020078343 A1
NOVELTY - A buffer of memory locations containing contents of a formatted **page** is located. A text string between two **markers** within the buffer is replaced with an alternate text string. Special fill characters are **inserted** in unfilled memory locations between the **markers** .
DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for display text altering system.
USE - For altering the text displayed by the browser in computer system to **protect data content** of **audio** , **video** , images, HTML **pages** , e-mail and enterprise data.
ADVANTAGE - The copying of text and image display by web browser on computer screen without authorization is prevented by replacing the displayed text string with alternate text string.
DESCRIPTION OF DRAWING(S) - The figure shows the simplified diagram of the **content protection** system.
pp; 24 DwgNo 1/12
Title Terms: WEB; DISPLAY; TEXT; ALTER; METHOD; COPY; PROTECT; DATA; CONTENT; REPLACE; TEXT; STRING; MARK; BUFFER; MEMORY; LOCATE; ALTERNATE; TEXT; STRING
Derwent Class: T01; W01
International Patent Class (Main): H04L-009/00
File Segment: EPI

11/5/11 (Item 8 from file: 350)
DIALOG(R)File 350:Derwent WPIX

001230324
WPI Acc No: 1975-B4100W/197506
Communications system with distorted-data repetition - has independent markers in equal length data blocks tested for correctness
Patent Assignee: SIEMENS AG (SIEI)
Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
DE 2349505	B	19750130				197506	B

Priority Applications (No Type Date): DE 2349505 A 19731002

Abstract (Basic): DE 2349505 B

The communications system has its data divided up into equal length data **blocks** and **marker** characters **inserted** into each **block** . The **markers** are independent of the transmitter and are tested for their correctness at the receiver. To improve the recognition of errors in transmission the individual marking characters forming a **marker** block are shuffled around amongst the characters in the **data block** requiring error **protection** . The distance between marking characters depends upon the 'width' of the expected error. When a distorted character has been determined, not only that character but also the previous character is repeated.

Title Terms: COMMUNICATE; SYSTEM; DISTORT; DATA; REPEAT; INDEPENDENT; MARK; EQUAL; LENGTH; DATA; BLOCK; TEST; CORRECT

Derwent Class: U21; U22; W01

International Patent Class (Additional): H03K-013/32; H04L-001/10

File Segment: EPI

?